

**Amendment to the Specification**

Please replace the paragraph of the original Specification beginning on p. 4, line 20 and ending on p. 5, line 5 with the following amended paragraph.

Referring now to Figure 1, the preferred embodiment of the apparatus bushing 10 has a stud 15 of either an aluminum or copper for conducting electrical current that extends the entire lateral distance of the apparatus bushing 10. Multiple layers of crepe paper and foil 20 are wound around the stud 15 to provide an insulating medium for the electrical voltage. The multiple layers of crepe paper and foil 20 are fully impregnated with an epoxy resin and together the crepe paper, foil matrix 20 and the stud 15 form a capacitance-graded core 25. A flange 30, that is adapted to receive the core 25, is securely fastened to the lower half of the apparatus bushing 10 with an adhesive commonly known in the art as potting adhesive. The flange 30, typically made of aluminum, provides mechanical strength and protection to the core 25, while also providing a mounting surface for securing the apparatus bushing 10 to an electric transformer or other device. A power factor test tap 35 may also be included on the flange 30 for testing the power factor of the apparatus bushing 10. The power factor test tap 35 is connected to an electrical lead wire 55 that is also connected to the core 25.